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WASTE WATER  
DISCHARGES REPORT

DECEMBER 1996



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# WASTE WATER DISCHARGES REPORT/1995

Ministry of Environment and Energy

Non-Compliance With Control Order and Certificate of Approval Limits

Central Region

No.	Name of Plant	Location (MOEE Office)	Type of Concern	Status Report Based on Information Received from Jan 1 - Dec 31, 1995
1	Corbett Creek WPCP	Whitby (York Durham)	Municipal Effluent	<ul style="list-style-type: none"> <li>Exceeded the Certificate of Approval monthly limit for biochemical oxygen demand seven times.</li> <li>The exceedance resulted from hydraulic overload coupled with influent industrial polymers.</li> <li>New plant to go on line in 1996 and an investigation is underway to determine the source of the polymers.</li> </ul>
2	Highland Creek WPCP	Toronto (Metro Toronto)	Municipal Effluent	<ul style="list-style-type: none"> <li>Exceeded the Certificate of Approval monthly limit for total phosphorus twice.</li> <li>Equipment and instrument problems have been corrected.</li> </ul>
3	Humber WPCP	Toronto (Metro Toronto)	Municipal Effluent	<ul style="list-style-type: none"> <li>Exceeded the Certificate of Approval monthly limit for total phosphorus twice.</li> <li>Condition was corrected and the effluent results improved immediately.</li> </ul>
4	Lakeview Thermal Generating Station	Mississauga (Halton/Peel)	Electric Power Effluent	<ul style="list-style-type: none"> <li>Exceeded the Certificate of Approval limit for total suspended solids once due to adverse weather conditions.</li> <li>No further action required.</li> </ul>
5*	Petro Canada - Oakville Refinery	Oakville (Halton/Peel)	Petroleum Effluent	<ul style="list-style-type: none"> <li>Exceeded the Certificate of Approval limit for total suspended solids five times.</li> <li>Storm water action plan and storm water control measures to be completed in 1996.</li> <li>Algae control measures being reviewed by a consultant. MOEE to follow up on report findings and implementation.</li> </ul>

\* Indicates facilities which also appeared in the 1994 Waste Water Discharges Report.



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Ministry of Environment and Energy

Non-Compliance With Control Order and Certificate of Approval Limits

Central Region

No.	Name of Plant	Location (MOEE Office)	Type of Concern	Status Report Based on Information Received from Jan 1 - Dec 31, 1995
6	Stouffville WPCP	Whitchurch-Stouffville (York Durham)	Municipal Effluent	<ul style="list-style-type: none"> <li>Exceeded the Certificate of Approval limit for ammonia three times.</li> <li>Problems with final filter media caused the exceedance.</li> <li>Corrected in May 1995 by replacing the filter media.</li> </ul>

• Indicates facilities which also appeared in the 1994 Waste Water Discharges Report.





# WASTE WATER DISCHARGES REPORT/1995

Ministry of Environment and Energy

Non-Compliance With Policies and Guidelines

Central Region

No.	Name of Plant	Location (MOEE Office)	Type of Concern	Status Report Based on Information Received from Jan 1 - Dec 31, 1995
1	Graham Creek WPCP	Clarington (York Durham)	Municipal Effluent	<ul style="list-style-type: none"> <li>Exceeded the annual guidelines for biochemical oxygen demand and total suspended solids.</li> <li>New plant under construction, completion expected 1997.</li> </ul>
2	Harmony Creek WPCP	Oshawa (York Durham)	Municipal Effluent	<ul style="list-style-type: none"> <li>Exceeded the annual guideline for biochemical oxygen demand due to uneven plant flow distribution.</li> <li>Influent has been split more equally to both plant sections.</li> </ul>

\* Indicates facilities which also appeared in the 1994 Waste Water Discharges Report.



# WASTE WATER DISCHARGES REPORT/1995

Ministry of Environment and Energy

Non-Compliance With Control Order and Certificate of Approval Limits

Eastern Region

No.	Name of Plant	Location (MOEE Office)	Type of Concern	Status Report Based on Information Received from Jan 1 - Dec 31, 1995
1	Almonte Waste Stabilization Pond	Almonte (Ottawa)	Municipal Effluent	<ul style="list-style-type: none"> <li>Marginally exceeded the Certificate of Approval limit for total phosphorus.</li> <li>It is anticipated that compliance will be achieved in 1996.</li> </ul>
2*	Ault Foods Ltd.	Winchester (Cornwall)	Food Processing Effluent	<ul style="list-style-type: none"> <li>Exceeded the Certificate of Approval annual loading limits for total suspended solids and hydrogen sulphide.</li> <li>The Ministry and company officials are currently discussing measures that must be implemented to abate effluent non-compliance.</li> </ul>
3*	Bath WPCP	Bath (Kingston)	Municipal Effluent	<ul style="list-style-type: none"> <li>Exceeded the Certificate of Approval monthly limit for total phosphorus once.</li> <li>Upgrades have been completed and it is anticipated that compliance will be achieved in 1996.</li> </ul>
4	Brockville WPCP	Brockville (Kingston)	Municipal Effluent	<ul style="list-style-type: none"> <li>Exceeded the Certificate of Approval annual limit for biochemical oxygen demand.</li> <li>The municipality has been issued a multi-phase Certificate of Approval for treatment plant upgrades.</li> </ul>

\* Indicates facilities which also appeared in the 1994 Waste Water Discharges Report.



# WASTE WATER DISCHARGES REPORT/1995

Ministry of Environment and Energy

Non-Compliance With Control Order and Certificate of Approval Limits

Eastern Region

No.	Name of Plant	Location (MOEE Office)	Type of Concern	Status Report Based on Information Received from Jan 1 - Dec 31, 1995
5*	Carleton Place WPCP	Carleton Place (Ottawa)	Municipal Effluent	<ul style="list-style-type: none"> <li>Marginally exceeded the Certificate of Approval seasonal average limit for ammonia.</li> <li>The operating authority is having difficulty achieving acceptable nitrification levels during the early spring. An optimization study is underway to improve performance.</li> </ul>
6*	Domtar Inc., Remediation Group (formerly Wood Preserving Div.)	Trenton (Kingston)	Site Remediation Effluent	<ul style="list-style-type: none"> <li>Exceeded the Certificate of Approval monthly limits at the "North" outfall for solvent extractables six times and pentachlorophenol five times. Exceeded the monthly limits at the "Far North" outfall for total suspended solids five times, solvent extractables four times, and pentachlorophenol five times.</li> <li>The company is in the second year of a multi-year plan to bio-remediate contaminated soils on-site in order to decrease loadings to the waste treatment plant and achieve compliance.</li> </ul>
7*	Greater Napanee Water Supply and Pollution Control Board	Napanee (Kingston)	Municipal Effluent	<ul style="list-style-type: none"> <li>Marginally exceeded the Certificate of Approval monthly limit for biochemical oxygen demand once.</li> <li>A <u>Comprehensive Performance Evaluation</u> study was performed at the treatment plant in 1995. The owner is assessing recommendations stemming from the study.</li> </ul>

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# WASTE WATER DISCHARGES REPORT/1995

Ministry of Environment and Energy

Non-Compliance With Control Order and Certificate of Approval Limits

Eastern Region

No.	Name of Plant	Location (MOEE Office)	Type of Concern	Status Report Based on Information Received from Jan 1 - Dec 31, 1995
8*	Haley Industries Ltd.	Haley Station (Ottawa)	Metal Casting Effluent	<ul style="list-style-type: none"> <li>Exceeded the Certificate of Approval monthly limits for silver and total phosphorus three times, chromium and zinc once, aluminum and phenolics four times, and copper twice. Also failed to comply with the required pH range twice.</li> <li>Exceeded the monthly loading limits for silver and total phosphorus three times, aluminum and phenolics four times, chromium twice, and copper and zinc once.</li> <li>The wastewater treatment system has been upgraded in order to achieve compliance.</li> </ul>
9*	Lakefield Waste Stabilization Pond	Lakefield (Peterborough)	Municipal Effluent	<ul style="list-style-type: none"> <li>Marginally exceeded the Certificate of Approval monthly limit for total phosphorus once.</li> <li>It is anticipated that compliance will be achieved in 1996.</li> </ul>
10	Maxville Waste Stabilization Pond	Maxville (Cornwall)	Municipal Effluent	<ul style="list-style-type: none"> <li>Exceeded the Certificate of Approval annual guideline for total suspended solids.</li> <li>The operating authority maintains that an algal bloom during the spring discharge was responsible for the non-compliance. The alum dosage and mixing times are to be increased prior to the 1996 discharge.</li> </ul>

\* Indicates facilities which also appeared in the 1994 Waste Water Discharges Report.





# WASTE WATER DISCHARGES REPORT/1995

Ministry of Environment and Energy

Non-Compliance With Control Order and Certificate of Approval Limits

Eastern Region

No.	Name of Plant	Location (MOEE Office)	Type of Concern	Status Report Based on Information Received from Jan 1 - Dec 31, 1995
11*	Nestlé Enterprises Ltd.	Chesterville (Cornwall)	Food Processing Effluent	<ul style="list-style-type: none"> <li>• Marginally exceeded the Certificate of Approval monthly limit for total phosphorus once.</li> <li>• The company's Certificate of Approval was amended at the end of 1995; plant upgrades will be on-going in 1996 and 1997.</li> </ul>
12	Pembroke WPCP	Pembroke (Ottawa)	Municipal Effluent	<ul style="list-style-type: none"> <li>• Exceeded the Certificate of Approval annual limit for biochemical oxygen demand.</li> <li>• The exceedance was marginal and stems from a process upset in February 1995 that skews the annual average biochemical oxygen demand value. A return to compliance is anticipated in 1996.</li> </ul>
13	Rockland Waste Stabilization Pond	Rockland (Cornwall)	Municipal Effluent	<ul style="list-style-type: none"> <li>• Exceeded the annual effluent limit for biochemical oxygen demand.</li> <li>• Construction of an upgraded works has commenced with completion scheduled for December 1996.</li> </ul>

\* Indicates facilities which also appeared in the 1994 Waste Water Discharges Report.



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Ministry of Environment and Energy

Non-Compliance With Control Order and Certificate of Approval Limits

Eastern Region

No.	Name of Plant	Location (MOEE Office)	Type of Concern	Status Report Based on Information Received from Jan 1 - Dec 31, 1995
14	Winchester Waste Stabilization Pond	Winchester (Cornwall)	Municipal Effluent	<ul style="list-style-type: none"> <li>Exceeded the Certificate of Approval fall discharge limit for ammonia.</li> <li>The non-compliance determination is based on a single sample. In future, the operating authority will be collecting more samples through the duration of the discharge period. The increased monitoring will yield results that better reflect the true effluent quality.</li> </ul>

• Indicates facilities which also appeared in the 1994 Waste Water Discharges Report.



# WASTE WATER DISCHARGES REPORTS/1995

Ministry of Environment and Energy

Non-Compliance With Policies and Guidelines

Eastern Region

No.	Name of Plant	Location (MOEE Office)	Type of Concern	Status Report Based on Information Received from Jan 1 - Dec 31, 1995
1*	Amherstview Waste Stabilization Pond	Ernestown Township (Kingston)	Municipal Effluent	<ul style="list-style-type: none"> <li>Exceeded the annual guideline for total suspended solids.</li> <li>Municipal Assistance Program (MAP) funding has been approved for an upgrade to this treatment works.</li> </ul>
2*	Arnprior WPCP	Arnprior (Ottawa)	Municipal Effluent	<ul style="list-style-type: none"> <li>Exceeded the annual guideline for biochemical oxygen demand and total suspended solids. Also exceeded the monthly guideline for total phosphorus twice.</li> <li>Phased construction of a new secondary treatment plant was started in May 1996.</li> </ul>
3*	Casselman Waste Stabilization Pond	Casselman (Cornwall)	Municipal Effluent	<ul style="list-style-type: none"> <li>Exceeded the annual guideline for total suspended solids.</li> <li>An Environmental Study Report (ESR) has been prepared as a preliminary step towards upgrading the works.</li> </ul>
4*	Cornwall Chemicals Ltd.	Cornwall (Cornwall)	Organic Chemical Effluent	<ul style="list-style-type: none"> <li>Exceeded the annual guideline for total suspended solids. Also exceeded the monthly pH range objective six times.</li> <li>The company ceased production at this site in March 1995. Dismantling the production facilities commenced in April 1995.</li> </ul>

\* Indicates facilities which also appeared in the 1994 Waste Water Discharges Report.



# WASTE WATER DISCHARGES REPORTS/1995

Ministry of Environment and Energy

## Non-Compliance With Policies and Guidelines

Eastern Region

No.	Name of Plant	Location (MOEE Office)	Type of Concern	Status Report Based on Information Received from Jan 1 - Dec 31, 1995
5	Domtar Inc., Fine Papers Div.	Cornwall (Cornwall)	Pulp and Paper Effluent	<ul style="list-style-type: none"> <li>Exceeded the annual guideline for biochemical oxygen demand and the monthly total phosphorus guideline three times. Also exceeded the monthly pH range objective ten times.</li> <li>Construction of has been completed on a new activated sludge waste water treatment system in order to achieve compliance.</li> </ul>
6*	Domtar Inc., Containerboard Div.	Trenton (Kingston)	Pulp and Paper Effluent	<ul style="list-style-type: none"> <li>Exceeded the annual guideline for total suspended solids and biochemical oxygen demand and the monthly guideline for total phosphorus twelve times. Also exceeded the monthly pH range objective six times.</li> <li>The company has installed and is now operating an evaporative technology based wastewater treatment system with the eventual goal of zero discharge.</li> </ul>
7	Dupont Canada Inc. Kingston Site	Kingston (Kingston)	Organic Chemical Effluent	<ul style="list-style-type: none"> <li>Exceeded the monthly pH range guideline four times during the reporting period.</li> <li>Compliance is anticipated when the sectoral regulation comes into effect.</li> </ul>
8	Dupont Canada Inc. Maitland Site	Maitland (Kingston)	Organic Chemical Effluent	<ul style="list-style-type: none"> <li>Exceeded the monthly pH range guideline once.</li> <li>Compliance is anticipated when the sectoral regulation comes into effect.</li> </ul>

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Ministry of Environment and Energy

Non-Compliance With Policies and Guidelines

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No.	Name of Plant	Location (MOEE Office)	Type of Concern	Status Report Based on Information Received from Jan 1 - Dec 31, 1995
9*	E.B. Eddy Forest Products Ltd.	Ottawa (Ottawa)	Pulp and Paper Effluent	<ul style="list-style-type: none"> <li>Exceeded the annual guideline for biochemical oxygen demand.</li> <li>The wastewater from this site is now piped to a new treatment facility in Hull, Quebec.</li> </ul>
10*	Essroc Canada Inc.	Picton (Kingston)	Industrial Minerals Effluent	<ul style="list-style-type: none"> <li>Exceeded the annual guideline for total suspended solids at the plant and the south quarry discharge monitoring stations.</li> <li>The company plans to use its south quarry as a cooling water recirculation reservoir, thus minimizing intakes from and discharges to Lake Ontario.</li> </ul>
11	Havclock Waste Stabilization Pond	Havelock (Peterborough)	Municipal Effluent	<ul style="list-style-type: none"> <li>Exceeded the annual guideline for total suspended solids.</li> <li>The operating authority indicated that an algal bloom during the spring discharge was responsible for the non-compliance. The total suspended solids measured in the fall discharge was well below the guideline. A return to compliance is anticipated for 1996.</li> </ul>

\* Indicates facilities which also appeared in the 1994 Waste Water Discharges Report.



# WASTE WATER DISCHARGES REPORTS/1995

Ministry of Environment and Energy

## Non-Compliance With Policies and Guidelines

Eastern Region

No.	Name of Plant	Location (MOEE Office)	Type of Concern	Status Report Based on Information Received from Jan 1 - Dec 31, 1995
12*	ICI Canada Inc., Consolidated Packaging Operation (formerly Stanchem)	Cornwall (Cornwall)	Inorganic Chemical Effluent	<ul style="list-style-type: none"> <li>Exceeded the annual guideline for total suspended solids and the monthly guideline for total phosphorus once. Also exceeded the pH range objective three times.</li> <li>The company is currently reviewing treatment options in order to ensure future compliance.</li> </ul>
13*	ICI Canada Inc., ICI Forest Products	Cornwall (Cornwall)	Inorganic Chemical Effluent	<ul style="list-style-type: none"> <li>Exceeded the annual guideline for total suspended solids, the monthly guideline for mercury twelve times and the pH range objective three times.</li> <li>The mercury cell chlor-alkali plant, one of the production facilities at this ICI Forest Products site, ceased production in March 1995 and dismantling of the the plant has commenced.</li> </ul>
14*	Ingleside WPCP	Osnabruck Township (Cornwall)	Municipal Effluent	<ul style="list-style-type: none"> <li>Exceeded the annual guideline for biochemical oxygen demand and total suspended solids.</li> <li>Construction has commenced on a new treatment plant. It is anticipated that construction will be completed in 1996.</li> </ul>

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# WASTE WATER DISCHARGES REPORTS/1995

Ministry of Environment and Energy

Non-Compliance With Policies and Guidelines

Eastern Region

No.	Name of Plant	Location (MOEE Office)	Type of Concern	Status Report Based on Information Received from Jan 1 - Dec 31, 1995
15	Ivaco Rolling Mill	L'Orignal (Cornwall)	Iron and Steel Effluent	<ul style="list-style-type: none"> <li>Exceeded the annual guideline for total suspended solids.</li> <li>The company is reviewing its treatment options in order to ensure compliance with Ontario Regulation 214/95 (EPA) which sets new effluent quality limits as of April 13, 1998.</li> </ul>
16	Kraft General Foods Inc.	Osnabruck Township (Cornwall)	Food Processing Effluent	<ul style="list-style-type: none"> <li>Exceeded the monthly guideline for total phosphorus ten times.</li> <li>Pre-treated wastewater will be discharged to the Osnabruck Twp. wastewater plant, currently under construction. It is anticipated that construction of the wastewater treatment plant will be completed in 1996.</li> </ul>
17*	Lafarge Canada Inc., Bath Cement Plant	Bath (Kingston)	Industrial Minerals Effluent	<ul style="list-style-type: none"> <li>Exceeded the annual guideline for total suspended solids at Control Point 0300.</li> <li>The company is assessing options for the control of all discharges from plant property in order to ensure compliance with Ontario Regulation 561/94 (EPA) which sets new effluent quality limits as of August 26, 1997.</li> </ul>
18*	Long Sault WPCP	Township of Cornwall (Cornwall)	Municipal Effluent	<ul style="list-style-type: none"> <li>Exceeded the monthly guideline for total phosphorus eight times.</li> <li>Upgrades to the sewage treatment plant were completed in 1995 and future compliance is anticipated.</li> </ul>

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Non-Compliance With Policies and Guidelines

Eastern Region

No.	Name of Plant	Location (MOEE Office)	Type of Concern	Status Report Based on Information Received from Jan 1 - Dec 31, 1995
19*	Morrisburg WPCP	Morrisburg (Cornwall)	Municipal Effluent	<ul style="list-style-type: none"> <li>Exceeded the annual guideline for total suspended solids.</li> <li>The operating authority cites insufficient hydraulic capacity as being responsible for this facility's non-compliance. Financial assistance is being sought to initiate an Environmental Study Report (ESR). The ESR must be completed before work can commence on upgrading the treatment works.</li> </ul>
20*	Nestlé Enterprises Ltd.	Chesterville (Cornwall)	Food Processing Effluent	<ul style="list-style-type: none"> <li>Exceeded the annual guideline for biochemical oxygen demand and total suspended solids.</li> <li>The company's Certificate of Approval was amended at the end of 1995; plant upgrades will be on-going in 1996 and 1997.</li> </ul>
21	Norwood WPCP	Norwood (Peterborough)	Municipal Effluent	<ul style="list-style-type: none"> <li>Exceeded the monthly guideline for total phosphorus once.</li> <li>The non-conformance was an isolated incident. A return to compliance is anticipated in 1996.</li> </ul>

\* Indicates facilities which also appeared in the 1994 Waste Water Discharges Report.





# WASTE WATER DISCHARGES REPORTS/1995

Ministry of Environment and Energy

## Non-Compliance With Policies and Guidelines

Eastern Region

No.	Name of Plant	Location (MOEE Office)	Type of Concern	Status Report Based on Information Received from Jan 1 - Dec 31, 1995
22*	Nutrite Inc. (formerly Nitrochem Inc.)	Maitland (Kingston)	Inorganic Chemical Effluent	<ul style="list-style-type: none"> <li>Exceeded the monthly guideline for ammonia ten times, total phosphorus five times, and the pH range guideline seven times.</li> <li>Implementation of a Spill Prevention Strategy continued in 1995 and the company has been advised that an upgrade to the treatment works will be required.</li> </ul>
23*	Plantagenet Waste Stabilization Pond	Plantagenet (Cornwall)	Municipal Effluent	<ul style="list-style-type: none"> <li>Exceeded the annual guideline for total suspended solids.</li> <li>The operating authority maintains that an algal bloom during the spring discharge was responsible for the non-compliance. An alternate coagulant is to be tested and applied in batch treatment prior to the autumn 1996 discharge.</li> </ul>
24	Prescott WPCP	Prescott (Kingston)	Municipal Effluent	<ul style="list-style-type: none"> <li>Exceeded the monthly guideline for total phosphorus once.</li> <li>The non-conformance appears to be an isolated incident. A return to conformance is anticipated in 1996.</li> </ul>

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Non-Compliance With Policies and Guidelines

Eastern Region

No.	Name of Plant	Location (MOEE Office)	Type of Concern	Status Report Based on Information Received from Jan 1 - Dec 31, 1995
25	Puritan Bennet Canada Ltd.	Maitland (Kingston)	Inorganic Chemical Effluent	<ul style="list-style-type: none"> <li>Exceeded the monthly guideline for ammonia eight times and the pH range objective twice.</li> <li>The company is investigating the potential for obtaining its non-contact cooling water from an uncontaminated aquifer. The current aquifer used is the source of the ammonia.</li> </ul>
26	Rideau Correctional Centre WPCP	Burritts Rapids (Ottawa)	Municipal Effluent	<ul style="list-style-type: none"> <li>Exceeded the monthly guideline for total phosphorus four times.</li> <li>The operating authority is attempting to optimize the performance of phosphorus removal at the treatment plant.</li> </ul>
27*	Sonoco Limited	Glen Miller (Kingston)	Pulp and Paper Effluent	<ul style="list-style-type: none"> <li>Exceeded the annual guideline for biochemical oxygen demand and total suspended solids and the monthly guideline for total phosphorus three times. Also exceeded the monthly pH range guideline twice.</li> <li>The company constructed and placed into operation a new activated sludge waste treatment system. It is anticipated that compliance will be achieved for 1996.</li> </ul>

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# WASTE WATER DISCHARGES REPORTS/1995

Ministry of Environment and Energy

## Non-Compliance With Policies and Guidelines

Eastern Region

No.	Name of Plant	Location (MOEE Office)	Type of Concern	Status Report Based on Information Received from Jan 1 - Dec 31, 1995
28*	Strathcona Paper Company (a Div. of Roman Corp. Ltd.)	Camden East (Kingston)	Pulp and Paper Effluent	<ul style="list-style-type: none"> <li>Exceeded the annual guideline for biochemical oxygen demand and total suspended solids and the monthly total phosphorus guideline twelve times.</li> <li>The company constructed and placed into operation a new activated sludge waste treatment system in order to achieve compliance.</li> </ul>
29*	Wellington Mushroom Farm	Wellington (Kingston)	Food Processing Effluent	<ul style="list-style-type: none"> <li>Exceeded the annual guideline for biochemical oxygen demand and total suspended solids and the monthly total phosphorus guideline once.</li> <li>The total phosphorus guideline excursion appears to be due to a data reporting error.</li> </ul>

\* Indicates facilities which also appeared in the 1994 Waste Water Discharges Report.



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Northern Region

No.	Name of Plant	Location (MOEE Office)	Type of Concern	Status Report Based on Information Received from Jan 1 - Dec 31, 1995
1	Avenor Inc.	Dryden (Kenora)	Pulp and Paper Effluent	<ul style="list-style-type: none"> <li>Exceeded the Certificate of Approval monthly limit for biochemical oxygen demand once and total suspended solids twice.</li> <li>Exceeded the daily total suspended solids limit once.</li> <li>Modifications to the treatment system were completed by year-end.</li> </ul>
2*	Avenor Inc.	Thunder Bay (Thunder Bay)	Pulp & Paper Effluent	<ul style="list-style-type: none"> <li>Exceeded the Certificate of Approval daily total suspended solids limit once and the monthly limit once.</li> <li>Hydrocarbon contamination in the kraft mill effluent caused the treatment system upset.</li> </ul>
3	Barrick Gold Corporation Holt-McDermott Mine	Kirkland Lake (Timmins)	Mining Effluent	<ul style="list-style-type: none"> <li>Exceeded the Certificate of Approval monthly ammonia limit three times.</li> <li>Exceeded the monthly total suspended solids limit once.</li> <li>Process modifications are expected to bring the company into compliance in 1996.</li> </ul>
4	Barrick Gold Corp. Golden Patricia Project	Muskeg Lake (Kenora)	Mining Effluent	<ul style="list-style-type: none"> <li>Exceeded the Certificate of Approval limit for ammonia ten times.</li> <li>There were no exceedances after April following corrective action being taken.</li> </ul>

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Northern Region

No.	Name of Plant	Location (MOEE Office)	Type of Concern	Status Report Based on Information Received from Jan 1 - Dec 31, 1995
5*	Cochrane WPCP	Cochrane (Timmins)	Municipal Effluent	<ul style="list-style-type: none"> <li>Exceeded the Certificate of Approval annual limit for total suspended solids and the monthly limit for phosphorus seven times.</li> <li>The municipality has hired a full-time operator which should ensure compliance in 1996.</li> </ul>
6	Extender Minerals Of Canada	Matachewan (Timmins)	Mining Effluent	<ul style="list-style-type: none"> <li>Exceeded the Certificate of Approval monthly limit for total suspended solids and aluminum once.</li> <li>The settling pond has been excavated to increase residence time and further improvements to the treatment system should ensure compliance in 1996.</li> </ul>
7*	Falconbridge Ltd.  Kidd Creek Metsite	Timmins (Timmins)	Mining Effluent	<ul style="list-style-type: none"> <li>Exceeded the Certificate of Approval zinc monthly limit once and the daily limit sixteen times.</li> <li>The treatment plant is presently being optimized and compliance is expected in 1996.</li> </ul>
8*	Falconbridge Ltd.  Kidd Creek Minesite	Timmins (Timmins)	Mining Effluent	<ul style="list-style-type: none"> <li>Exceeded the Certificate of Approval monthly limit for total suspended solids five times and the daily limit eighteen times.</li> <li>Exceeded the pH limit nine times.</li> <li>Company investigating improvements to their treatment system and compliance is expected in 1996.</li> </ul>

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Northern Region

No.	Name of Plant	Location (MOEE Office)	Type of Concern	Status Report Based on Information Received from Jan 1 - Dec 31, 1995
9	Hemlo Gold Mines Ltd Holloway Joint Venture	Matheson (Timmins)	Mining Effluent	<ul style="list-style-type: none"> <li>Exceeded the Certificate of Approval monthly limit for total suspended solids seven times.</li> <li>Corrective actions included dredging the first settling pond, constructing a larger second settling pond and managing site run-off.</li> </ul>
10	INCO Ltd. Copper Cliff Wastewater Treatment Plant	Sudbury (Sudbury)	Mining Effluent	<ul style="list-style-type: none"> <li>Exceeded the Certificate of Approval monthly limit for nickel once.</li> <li>An operational problem caused the exceedance and has been corrected.</li> </ul>
11	INCO Ltd. Nolin Creek	Sudbury (Sudbury)	Mining Effluent	<ul style="list-style-type: none"> <li>Exceeded the Certificate of Approval monthly limit for nickel once.</li> <li>An operational problem caused the nickel limit to be exceeded.</li> </ul>
12	Inmet Mining Corp. Winston Lake Div.	Schreiber (Thunder Bay)	Mining Effluent	<ul style="list-style-type: none"> <li>Exceeded the Certificate of Approval monthly zinc limit once.</li> <li>An anomalous result that was orders of magnitude above the normal value was likely to be from a contaminated sample.</li> </ul>
13*	Jogues Lagoon	Jogues (Timmins)	Municipal Effluent	<ul style="list-style-type: none"> <li>Exceeded the Certificate of Approval monthly limit for total phosphorus once.</li> <li>The process for applying alum has been changed and compliance is expected in 1996.</li> </ul>

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Northern Region

No.	Name of Plant	Location (MOEE Office)	Type of Concern	Status Report Based on Information Received from Jan 1 - Dec 31, 1995
14*	Malette Inc. Malette Kraft Pulp & Power Div.	Smooth Rock Falls (Timmins)	Pulp & Paper Effluent	<ul style="list-style-type: none"> <li>Exceeded the Certificate of Approval acute toxicity limit once for Daphnia Magna and Rainbow Trout on separate occasions.</li> <li>A secondary treatment system was installed during 1995 and is expected to be in full operation during 1996.</li> <li>Compliance is expected in 1996.</li> </ul>
15	Mountainview WPCP	Huntsville (Muskoka/Haliburton)	Municipal Effluent	<ul style="list-style-type: none"> <li>Exceeded the Certificate of Approval monthly limit for total phosphorous six times.</li> <li>Diverting influent flow on a phase-in basis to their new plant.</li> <li>Compliance is expected in 1997.</li> </ul>
16	Spruce Falls Inc	Kapuskasing (Timmins)	Pulp & Paper Effluent	<ul style="list-style-type: none"> <li>Exceeded the Certificate of Approval pH and E. Coli limits for the last three months of the year.</li> <li>Modifications to the ash sewer line and increasing retention time should result in meeting the limits in 1996.</li> </ul>
17	St. Marys Paper Ltd.	Sault Ste. Marie (Sault Ste. Marie)	Pulp & Paper Effluent	<ul style="list-style-type: none"> <li>Exceeded the Certificate of Approval daily total suspended solids limit twice.</li> <li>One exceedance was due to a plant power outage and the other to a process upset.</li> <li>A secondary treatment system has been installed.</li> </ul>

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Northern Region

No.	Name of Plant	Location (MOEE Office)	Type of Concern	Status Report Based on Information Received from Jan 1 - Dec 31, 1995
18	Kimberly Clark Forest Products Ltd.	Terrace Bay (Thunder Bay)	Pulp & Paper Effluent	<ul style="list-style-type: none"> <li>Exceeded the Control Order 30-day average limit for total suspended solids twenty-two times in April.</li> <li>The problem was associated with the biosolids in the treatment system and corrected.</li> </ul>

• Indicates facilities which also appeared in the 1994 Waste Water Discharges Report.





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Northern Region

No.	Name of Plant	Location (MOEE Office)	Type of Concern	Status Report Based on Information Received from Jan 1 - Dec 31, 1995
1*	Bob's Lake Lagoon	Timmins (Timmins)	Municipal Effluent	<ul style="list-style-type: none"> <li>Exceeded the annual total suspended solids guideline.</li> <li>City held a public meeting June 1996 which proposed to redirect the influent to an existing treatment plant.</li> </ul>
2	Fauquier Lagoon	Township of Fauquier/Strickland (Timmins)	Municipal Effluent	<ul style="list-style-type: none"> <li>Exceeded the total suspended solids annual guideline.</li> <li>Improper sampling may have caused high results.</li> </ul>
3	Fort Frances WPCP	Fort Frances (Kenora)	Municipal Effluent	<ul style="list-style-type: none"> <li>Exceeded the primary plant effluent guidelines on a regular basis.</li> <li>The municipality to upgrade treatment system from primary to secondary by 1996.</li> </ul>
4*	INCO Ltd. Nickel Refinery	Sudbury (Sudbury)	Mining Effluent	<ul style="list-style-type: none"> <li>Exceeded the monthly guideline for total metals four times and the daily guideline for copper seven times.</li> <li>The company is to eliminate this discharge point by redirecting the effluent to the Copper Cliff Wastewater Treatment Plant.</li> </ul>
5*	INCO Ltd. Whistle Mine	Sudbury (Sudbury)	Mining Effluent	<ul style="list-style-type: none"> <li>Exceeded the monthly total suspended solids guideline twice and the daily pH guideline for nine months.</li> <li>The company is to improve their sludge handling procedures and upgrade the pH control system by 1997.</li> </ul>

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Northern Region

No.	Name of Plant	Location (MOEE Office)	Type of Concern	Status Report Based on Information Received from Jan 1 - Dec 31, 1995
6	INCO Ltd. Garson Mine	Sudbury (Sudbury)	Mining Effluent	<ul style="list-style-type: none"> <li>Exceeded the daily guideline for total suspended solids and nickel four times the monthly guideline for total metals once and the daily pH guideline during all months in 1995.</li> <li>The company will upgrade their wastewater treatment plant in 1997 to address these exceedances.</li> </ul>
7*	INCO Ltd. Levack Mine	Sudbury (Sudbury)	Mining Effluent	<ul style="list-style-type: none"> <li>Exceeded the daily pH guideline eleven times, the daily total suspended solids guideline five times and the daily nickel guideline four times.</li> <li>The installation of a pH control system will address the pH exceedances.</li> <li>Company is currently undertaking a study to address the total suspended solids and nickel exceedances.</li> </ul>
8*	McGarry Lagoon	Township of McGarry (Timmins)	Municipal Effluent	<ul style="list-style-type: none"> <li>Exceeded the annual guideline for total suspended solids and biochemical oxygen demand and the monthly total phosphorus guideline nine times.</li> <li>Municipality is completing an ESR to replace current sewage system. Compliance anticipated in 1998.</li> </ul>

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Non-Compliance With Policies and Guidelines

Northern Region

No.	Name of Plant	Location (MOEE Office)	Type of Concern	Status Report Based on Information Received from Jan 1 - Dec 31, 1995
9*	Moosonee Townsite WPCP	Moosnee (Timmins)	Municipal Effluent	<ul style="list-style-type: none"><li>Exceeded the annual guideline for biochemical oxygen demand and total suspended solids.</li><li>A freeze on development has been implemented until improvements to the plant are completed in 1998.</li></ul>

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# WASTE WATER DISCHARGES REPORT/1995

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Non-Compliance With Control Order and Certificate of Approval Limits

Southwestern Region

No.	Name of Plant	Location (MOEE Office)	Type of Concern	Status Report Based on Information Received from Jan 1 - Dec 31, 1995
1	Barrie WPCP	Barrie (Barrie)	Municipal Effluent	<ul style="list-style-type: none"> <li>Exceeded the Certificate of Approval total phosphorus limit for three months due to a local industry's discharge.</li> <li>The industry has since initiated changes to reduce their total phosphorus loading to the plant.</li> </ul>
*2	Blenheim Lagoons	Blenheim (Windsor)	Municipal Effluent	<ul style="list-style-type: none"> <li>Exceeded Certificate of Approval monthly average limit for total suspended solids during the fall discharge.</li> <li>Conversion of the process to a New Hamburg process was completed in May and future compliance is anticipated.</li> </ul>
3	Chesley WPCP	Chesley (Owen Sound)	Municipal Effluent	<ul style="list-style-type: none"> <li>Exceeded the Certificate of Approval limit for ammonia nitrogen once.</li> <li>Municipality has been requested to respond with an action plan to ensure compliance per the 1996 inspection report on the facility.</li> </ul>
4	Clinton WPCP	Clinton (Owen Sound)	Municipal Effluent	<ul style="list-style-type: none"> <li>Exceeded the Certificate of Approval limit for biochemical oxygen demand once.</li> <li>The plant was in compliance for the remainder of the year.</li> </ul>

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Non-Compliance With Control Order and Certificate of Approval Limits

Southwestern Region

No.	Name of Plant	Location (MOEE Office)	Type of Concern	Status Report Based on Information Received from Jan 1 - Dec 31, 1995
5*	Ethyl Canada Inc.	Sarnia (Sarnia)	Organic Chemical Effluent	<ul style="list-style-type: none"> <li>Exceeded the Certificate of Approval limit of pH twice and objectives for total suspended solids (due to a rain event) and solvent extractibles.</li> <li>The pH issue has been resolved by the installation of new equipment.</li> <li>On-going abatement activity is underway to resolve the other issues.</li> </ul>
6*	Lambton Thermal Generating Station	Moore Township (Sarnia)	Electric Power Effluent	<ul style="list-style-type: none"> <li>Sewage lagoon effluent exceeded the Certificate of Approval limits for total phosphorus, total suspended solids, and pH during discharge.</li> <li>Hydro plans an algae study to control algae growth.</li> </ul>
7*	Omstead Foods Ltd.	Wheatley (Windsor)	Food Processing Effluent	<ul style="list-style-type: none"> <li>Exceeded monthly requirement average for total suspended solids, phosphorus and dissolved oxygen.</li> <li>Resulted from variable influent loadings during processing.</li> <li>Compliance is anticipated in future.</li> </ul>

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Southwestern Region

No.	Name of Plant	Location (MOEE Office)	Type of Concern	Status Report Based on Information Received from Jan 1 - Dec 31, 1995
8*	Ontario Hydro Bruce Nuclear Generating Station - A	Kincardine (Owen Sound)	Electric Power Effluent	<ul style="list-style-type: none"> <li>Exceeded the Certificate of Approval limits for change in total suspended solids (intake to outfall) twice and total residual chlorine three times.</li> <li>Bruce A will continue to monitor the total suspended solids situation and continue with their plan to seek a Certificate of Approval amendment this year. As well the company is examining options for an improved chlorine injection and analyzer system.</li> </ul>
9*	Pottersburg WPCP	London (London)	Municipal Effluent	<ul style="list-style-type: none"> <li>Exceeded the Certificate of Approval monthly limit for total suspended solids.</li> <li>Plant is experiencing settleability problems due to uncharacteristic wastewater.</li> <li>Process optimization studies are currently underway to determine and remediate the problem.</li> </ul>
10*	Shell Canada Products Ltd.	Corunna (Sarnia)	Petroleum Effluent	<ul style="list-style-type: none"> <li>Exceeded the Certificate of Approval limit for volatile suspended solids once during a storm pond discharge.</li> <li>The discharge was carried out to prevent an uncontrolled overflow of the pond during a heavy storm event.</li> </ul>

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Southwestern Region

No.	Name of Plant	Location (MOEE Office)	Type of Concern	Status Report Based on Information Received from Jan 1 - Dec 31, 1995
11*	Tavistock Lagoons	East Zorra - Tavistock (London)	Municipal Effluent	<ul style="list-style-type: none"> <li>Exceeded Certificate of Approval monthly limit for total suspended solids.</li> <li>Operational problems were weather related, discharge was discontinued.</li> </ul>
12	Wasaga Beach WPCP	Wasaga Beach (Barrie)	Municipal Effluent	<ul style="list-style-type: none"> <li>Exceeded the Certificate of Approval total phosphorus limit for four months.</li> <li>The location of the alum addition point has been changed.</li> </ul>

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Non-Compliance With Policies and Guidelines

Southwestern Region

No.	Name of Plant	Location (MOEE Office)	Type of Concern	Status Report Based on Information Received from Jan 1 - Dec 31, 1995
1*	Champlain Industries Ltd.	Tara (Owen Sound)	Food Processing Effluent	<ul style="list-style-type: none"> <li>Exceedance of monthly total suspended solids guidelines six times.</li> <li>Effective February 1996, the effluent will be re-directed to the Tara WPCP.</li> </ul>
2*	Chinook Group Ltd.	Sarnia (Sarnia)	Organic Chemical Effluent	<ul style="list-style-type: none"> <li>Exceeded the provincial industrial waste dischargers ammonia guideline.</li> <li>The company has been required to develop a waste treatment system.</li> <li>Pilot testing of a biological/filtration system has been carried out and a Certificate of Approval application is due by September 1996.</li> </ul>
3	Ford Motor Company of Canada Ltd. St. Thomas Assembly Plant	St. Thomas (London)	Auto Assembly Effluent	<ul style="list-style-type: none"> <li>Exceedance of monthly guidelines for total suspended solids five times, total phosphorus 3 times and zinc three times.</li> <li>The zinc and total phosphorus exceedances resulted from a leak in the paint shop, which has since been resolved.</li> <li>A consultant hired by the company has recommended solutions to resolve the total suspended solids exceedances.</li> </ul>
4	Ford Motor Company of Canada Ltd. Windsor Casting Plant	Windsor (Windsor)	Metal Casting Effluent	<ul style="list-style-type: none"> <li>Exceeded monthly guideline for zinc eleven times and phenolics ten times.</li> <li>Modifications to the treatment system will address the exceedances.</li> </ul>

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Southwestern Region

No.	Name of Plant	Location (MOEE Office)	Type of Concern	Status Report Based on Information Received from Jan 1 - Dec 31, 1995
5*	Gay Lea Foods Cooperative Ltd.	Teeswater (Owen Sound)	Food Processing Effluent	<ul style="list-style-type: none"> <li>Exceeded monthly guidelines for total suspended solids, biochemical oxygen demand, total phosphorus twelve times and the ammonia nitrogen nine times.</li> <li>A design report for an upgraded treatment works is under review and the company will be submitting their formal Certificate of Approval application in the fall of 1996.</li> </ul>
6	Port Elgin WPCP	Port Elgin (Owen Sound)	Municipal Effluent	<ul style="list-style-type: none"> <li>Exceedance of monthly guideline for total phosphorus twice due to a malfunctioning chemical feed pump.</li> <li>Broken feed line replaced and compliance achieved for the remainder of the year.</li> </ul>
7*	Strathroy Lagoons	Strathroy (London)	Municipal Effluent	<ul style="list-style-type: none"> <li>Exceedance of annual total suspended solids guideline</li> <li>Plans to upgrade the treatment facility have been initiated.</li> </ul>
8	The Canadian Salt Company Ltd. Ojibway Mine	Windsor (Windsor)	Industrial Minerals Effluent	<ul style="list-style-type: none"> <li>Exceedance of monthly total suspended solids guideline three times.</li> <li>The company is proposing to redirect their effluent to on-site brine fields.</li> </ul>
9*	The Canadian Salt Company Ltd. Evaporator Plant	Windsor (Windsor)	Industrial Minerals Effluent	<ul style="list-style-type: none"> <li>Exceedance of monthly total suspended solids guideline six times.</li> <li>The company is reviewing alternatives and compliance is anticipated for 1996.</li> </ul>

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Southwestern Region

No.	Name of Plant	Location (MOEE Office)	Type of Concern	Status Report Based on Information Received from Jan 1 - Dec 31, 1995
10*	Walkerton WPCP	Walkerton (Owen Sound)	Municipal Effluent	<ul style="list-style-type: none"> <li>• Exceedance of monthly guideline for total phosphorus three times due to excessive hydraulic and organic loading.</li> <li>• Optimization study completed Fall 1995, discussions ongoing with municipality.</li> </ul>

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West Central Region

No.	Name of Plant	Location (MOEE Office)	Type of Concern	Status Report Based on Information Received from Jan 1 - Dec 31, 1995
1*	American Standard, Div. of Wabco Standard Inc.	Cambridge (Cambridge)	Metal Fabrication Plant Effluent	<ul style="list-style-type: none"> <li>Exceeded the Certificate of Approval limit for total suspended solids once.</li> <li>Generated by bacterial growth which was caused by a drawing compound. The drawing compound was replaced by a synthetic one.</li> </ul>
2*	Dundas WPCP	Dundas (Hamilton)	Municipal Effluent	<ul style="list-style-type: none"> <li>Exceeded the Certificate of Approval monthly limit for total phosphorus once and total kjeldahl nitrogen twice.</li> <li>The municipality is involved in a voluntary abatement program to achieve compliance with the limits.</li> </ul>
3*	Exolon -ESK Company of Canada	Thorold (Welland)	Inorganic Chemical Effluent	<ul style="list-style-type: none"> <li>Exceeded Certificate of Approval limits for aluminium twice, copper, phosphorous and total suspended solids once.</li> <li>Company was issued a new Certificate of Approval at the end of 1995 for a new primary treatment system designed to eliminate the above exceedances.</li> </ul>
4*	Geon Canada Inc. (formerly B.F. Goodrich)	Niagara Falls (Welland)	Organic Chemical Effluent	<ul style="list-style-type: none"> <li>Exceeded Certificate of Approval monthly limit for biochemical oxygen demand once.</li> <li>Company modified wastewater treatment operation (supplemented organic load to increase biological activity) to address the problem.</li> </ul>

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West Central Region

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5	Georgia Pacific Canada Inc. (formerly Domtar Inc.)	Caledonia (Hamilton)	Industrial Minerals Effluent	<ul style="list-style-type: none"> <li>Exceeded Certificate of Approval monthly limit for total suspended solids once.</li> <li>New retention pond became operational in late 1995 to address the problem.</li> </ul>
6*	Horizon Poultry Products	Ayr (Cambridge)	Poultry Processing Effluent	<ul style="list-style-type: none"> <li>Exceeded the Certificate of Approval daily limits for total suspended solids once and the E.coli limit once.</li> <li>The total suspended solids exceedance was attributed to a hydrogen peroxide overdose in reaction to bulking problems caused by filamentous bacteria. The problem was cleared up within twelve hours.</li> <li>The E.coli exceedance was due to poor sample handling.</li> </ul>
7	Jarvis Lagoon	Jarvis (Hamilton)	Municipal Effluent	<ul style="list-style-type: none"> <li>Exceeded the Certificate of Approval total suspended solids limits during the spring discharge.</li> <li>OCWA are experimenting with different chemical coagulants to reduce the effluent total suspended solids levels.</li> </ul>
8	Kimberly Clark	St. Catharines (Welland)	Pulp & Paper Effluent	<ul style="list-style-type: none"> <li>Exceeded the Certificate of Approval limit for sulphide five times and fell below the dissolved oxygen minimum limit once.</li> <li>Company plans to install additional aerators to their treatment process in 1996.</li> </ul>

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West Central Region

No.	Name of Plant	Location (MOEE Office)	Type of Concern	Status Report Based on Information Received from Jan 1 - Dec 31, 1995
9	Niagara-on-the-Lake Lagoon	Niagara-on-the-Lake (Welland)	Municipal Effluent	<ul style="list-style-type: none"> <li>Exceeded the Certificate of Approval loading limit for total phosphorous once due to initial startup of the new phosphorus removal process.</li> <li>The plant was in compliance for the remainder of the year.</li> </ul>
10	Norton Advanced Ceramics	Niagara Falls (Welland)	Inorganic Chemical Effluent	<ul style="list-style-type: none"> <li>Exceeded the Certificate of Approval limit for total suspended solids once.</li> <li>In-plant processes are being modified to eliminate the source of the exceedance.</li> </ul>
11	Palmerston WPCP	Palmerston (Cambridge)	Municipal Effluent	<ul style="list-style-type: none"> <li>Exceeded the Certificate of Approval monthly limits for biochemical oxygen demand, total phosphorus and ammonia nitrogen once.</li> <li>Exceedances were attributed to a clarifier breakdown which has been corrected.</li> </ul>
12	Port Robinson Lagoon	Thorold (Welland)	Municipal Effluent	<ul style="list-style-type: none"> <li>Exceeded the Certificate of Approval monthly limit for total suspended solids four times.</li> <li>Exceedances were attributed to algae growth.</li> </ul>

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West Central Region

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13*	Waterloo WPCP	Waterloo (Cambridge)	Municipal Effluent	<ul style="list-style-type: none"> <li>Exceeded the Certificate of Approval monthly limits for biochemical oxygen demand once, total suspended solids seven times and total phosphorus four times.</li> <li>Exceedances are attributed to recurring bulking problems.</li> <li>The installation of new skimmers on the secondary clarifiers was completed at the end of 1995 resulting in improved plant performance.</li> </ul>

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West Central Region

No.	Name of Plant	Location (MOEE Office)	Type of Concern	Status Report Based on Information Received from Jan 1 - Dec 31, 1995
1*	CYTEC (formerly (Cytec Canada Inc. & Cyanamid Canada Ltd.)	Niagara Falls (Welland)	Inorganic Chemical Effluent	<ul style="list-style-type: none"> <li>Exceeded monthly guidelines for total suspended solids six times.</li> <li>Exceedances attributed to stormwater events.</li> <li>Stormwater and process discharge separation commenced in 1996.</li> <li>Company will be implementing a process flow reduction plan and applying Best Management Practice to their stormwater treatment for 1996.</li> </ul>
2	Drayton Lagoon	Drayton (Cambridge)	Municipal Effluent	<ul style="list-style-type: none"> <li>Exceeded annual guideline for total suspended solids once.</li> <li>The exceedance was attributed to algae growth just prior to discharge.</li> </ul>
3	Fleet Manufacturing	Fort Erie (Welland)	Metal & Plastic Fabrication Effluent	<ul style="list-style-type: none"> <li>Exceeded monthly guideline for total suspended solids once.</li> <li>Company is conducting additional maintenance of their cooling water system to reduce solids.</li> </ul>
4*	General Motors of Canada Inc.	St. Catharines (Welland)	Metal Casting Effluent	<ul style="list-style-type: none"> <li>Company exceeded the guideline operational objective for phenol nineteen times and total suspended solids once.</li> <li>Company ceased operation December 1995.</li> <li>Wastewater treatment will continue to operate during the decommissioning period which will be initiated in 1996.</li> </ul>

\* Indicates facilities which also appeared in the 1994 Waste Water Discharges Report.



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## Non-Compliance With Policies and Guidelines

West Central Region

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5	Georgia Pacific Canada Inc. (formerly BeaverWood Fibre Inc.)	Thorold (Welland)	Pulp & Paper Effluent	<ul style="list-style-type: none"> <li>Exceeded the monthly guideline for biochemical oxygen demand eleven times.</li> <li>Company installed secondary treatment (sequential batch reactors) in Spring 1996 to address the problem.</li> </ul>
6*	Inco Ltd. Refinery	Port Colborne (Welland)	Mining Effluent	<ul style="list-style-type: none"> <li>Exceeded the monthly guideline for pH eleven times, total suspended solids once, and toxicity (trout) six times.</li> <li>Toxicity identification program is in progress.</li> <li>Carbon Dioxide pilot study was successful in reducing pH and toxicity.</li> <li>A permanent system will be installed by the end of 1996.</li> </ul>
7	Mount Forest WPCP	Mount Forest (Cambridge)	Municipal Effluent	<ul style="list-style-type: none"> <li>Exceeded monthly guideline for total phosphorus six times while utilizing an alternate coagulant.</li> <li>Plant has switched back to ferric chloride and has since remained in compliance.</li> </ul>
8	Norton Advanced Ceramics	Niagara Falls (Welland)	Inorganic Chemical	<ul style="list-style-type: none"> <li>Exceeded monthly guidelines for total suspended solids three times.</li> <li>In-plant processes are being modified to eliminate the source of the exceedances.</li> </ul>

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9	Oswego Park Lagoon	Dunnville (Hamilton)	Municipal Effluent	<ul style="list-style-type: none"> <li>Exceeded the annual guideline for total suspended solids.</li> <li>Flows to the lagoon exceeded design capacity.</li> <li>Environmental Assessment is currently underway to determine the best means of upgrading the facility.</li> </ul>
10*	Rothsay Rendering, Div. of Maple Leaf Mills Ltd.	Flamborough (Hamilton)	Rendering Plant	<ul style="list-style-type: none"> <li>Exceeded the guideline for ammonia three times.</li> <li>The company intends to add a nitrification/denitrification process to their existing treatment system in 1996.</li> </ul>
11*	Sulco Chemicals Ltd.	Elmira (Cambridge)	Inorganic Chemical	<ul style="list-style-type: none"> <li>Exceeded monthly guideline for fluoride and dissolved organic carbon twice.</li> <li>Exceedances were due to a change in municipal water supply with high fluoride and dissolved organic carbon.</li> </ul>
12*	Washington Mills Electro Minerals	Niagara Falls (Welland)	Inorganic Chemical	<ul style="list-style-type: none"> <li>Exceeded the guideline for total suspended solids once.</li> <li>This was attributed to maintenance work carried out on the treatment system.</li> <li>A treatability study is underway to further improve effluent quality.</li> </ul>

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